PATENT COOPERATION TRF \TY

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To: see form PCT/ISA/220			WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)	
Applicant's or agent's file reference see form PCT/ISA/220			FOR FURTHER ACTION See paragraph 2 below	
International application No PCT/US2005/004270		International filing date (d 09.02.2005	l day/month/year)	Priority date (day/month/year) 10 02 2004
International Patent Classi C12N15/11, C12P19/				
Applicant SIRNA THERAPUET	ICS, INC.			
Box No I Box No II Box No III Box No IV Box No V Box No VI Box No VIII Box No VIII Box No VIII FURTHER ACTI If a demand for in written opinion of the applicant chounternational Bur will not be so corlif this opinion is, submit to the IPE months from the whichever expired	Basis of the operation of the International process of the Internation	ment of opinion with regot invention tement under Rule 43 bit itations and explanation tents cited in the international apprations on the international Preliminary Examinarity other than this one to 66 1 bis(b) that written to ove, considered to be a sly together, where appraisal of Form PCT/ISA/220 or	ard to novelty, inventions 1(a)(i) with regard to supporting such stated by the supporting such stated by the supporting such stated by the supporting application and application with supporting such supporting supportin	ve step and industrial applicability novelty, inventive step or industrial tement Il usually be considered to be a However, this does not apply where a chosen IPEA has notifed the ational Searching Authority IPEA, the applicant is invited to ents, before the expiration of three n of 22 months from the priority date,
Name and mailing addre	ss of the ISA:		Authorized Officer	nganeta i falangan



European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx; 523656 epmu d Fax: +49 89 2399 - 4465

Barnas, C

Telephone No +49 89 2399-7469



WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No PCT/US2005/004270

		·				
	Box No	o. I Basis of the opinion				
1.	With re	Vith regard to the language , this opinion has been established on the basis of the international application in ne language in which it was filed, unless otherwise indicated under this item				
	lar	is opinion has been established on the basis of a translation from the original language into the following anguage , which is the language of a translation furnished for the purposes of international search and 23.1(b)).				
2.	With reneces	gard to any nucleotide and/or amino acid sequence disclosed in the international application and ary to the claimed invention, this opinion has been established on the basis of:				
	a. type	e of material.				
	\boxtimes	a sequence listing				
		table(s) related to the sequence listing				
	b. format of material:					
		in written format				
	\boxtimes	in computer readable form				
	c. time of filing/furnishing:					
		contained in the international application as filed				
		filed together with the international application in computer readable form.				
	⊠	furnished subsequently to this Authority for the purposes of search.				
3	h: Cd	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional opies is identical to that in the application as filed or does not go beyond the application as filed, as ppropriate, were furnished.				

4. Additional comments:

Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1-32

1. Statement

Novelty (N) Yes: Claims

No: Claims

Inventive step (IS) Yes: Claims 1.32

No: Claims

Industrial applicability (IA) Yes: Claims 1-32

No: Claims

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The documents mentioned in the present Written Opinion / International Preliminary Examination Report are numbered as in the International Search Report. D1 corresponds to the first document of the Search Report, D2 to the second document etc.

- 1. The document D1 or D2 can be regarded as being the closest prior art to the subject-matter of claim 1 and 2. Both documents show bispecific siRNA constructs containing two monospecific siRNA sequences containing loops separated by an intervening single stranded spacer sequence.
- 2. The multifunctional siNA molecules of formulas I and II as described in claims 1 and 2 differ from D1 and D2 in that said multifunctional siNA consist of two annealed, single stranded sequences wherein each sequence has its own 3' and 5' end which are not connected by loop structure.
- 3. The subject-matter of claims 1 and 2 is therefore new (Article 33(2) PCT).
- 4. The problem to be solved by the present invention may be regarded as the provision of further multifunctional siNA molecules.
- 5. The solution to this problem proposed in claims 1 and 2 of the present application is considered as involving an inventive step (Article 33(3) PCT) since the prior art does not contain any indication that would prompt the skilled person to provide siNA molecules of formula I and II. Claims 1 and 2 are therefore inventive.
- 6. Claims 3-32 are dependent on claims 1 and 2 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

The attention of the applicant is drawn to the fact that a reply to this opinion is only expected if he intends to file a chapter II demand.